

Fig. 1

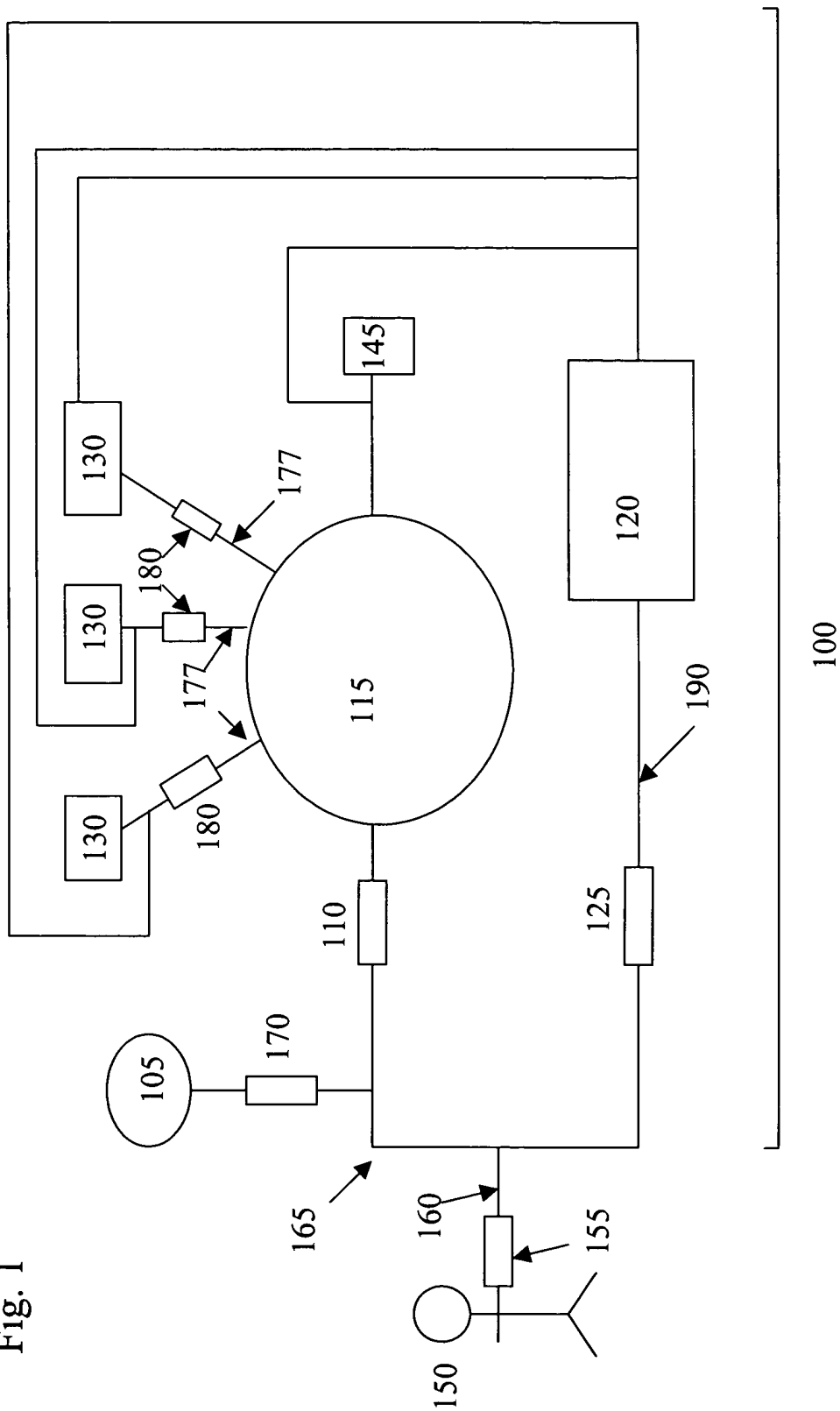


Fig. 2A: NEEDLE RETURN FLOW VS TIME

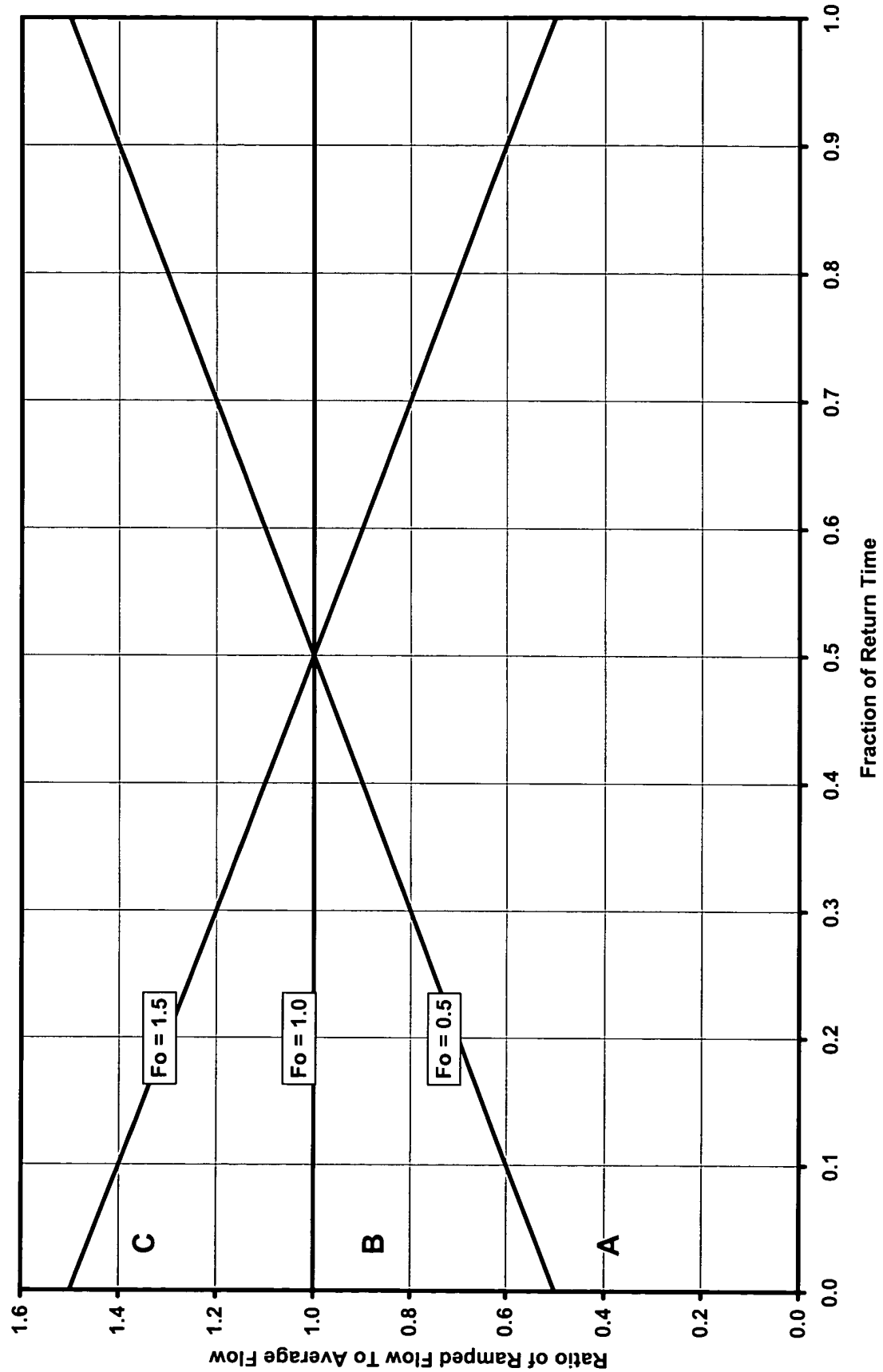


Fig 2B: RETURN VOLUME VS TIME

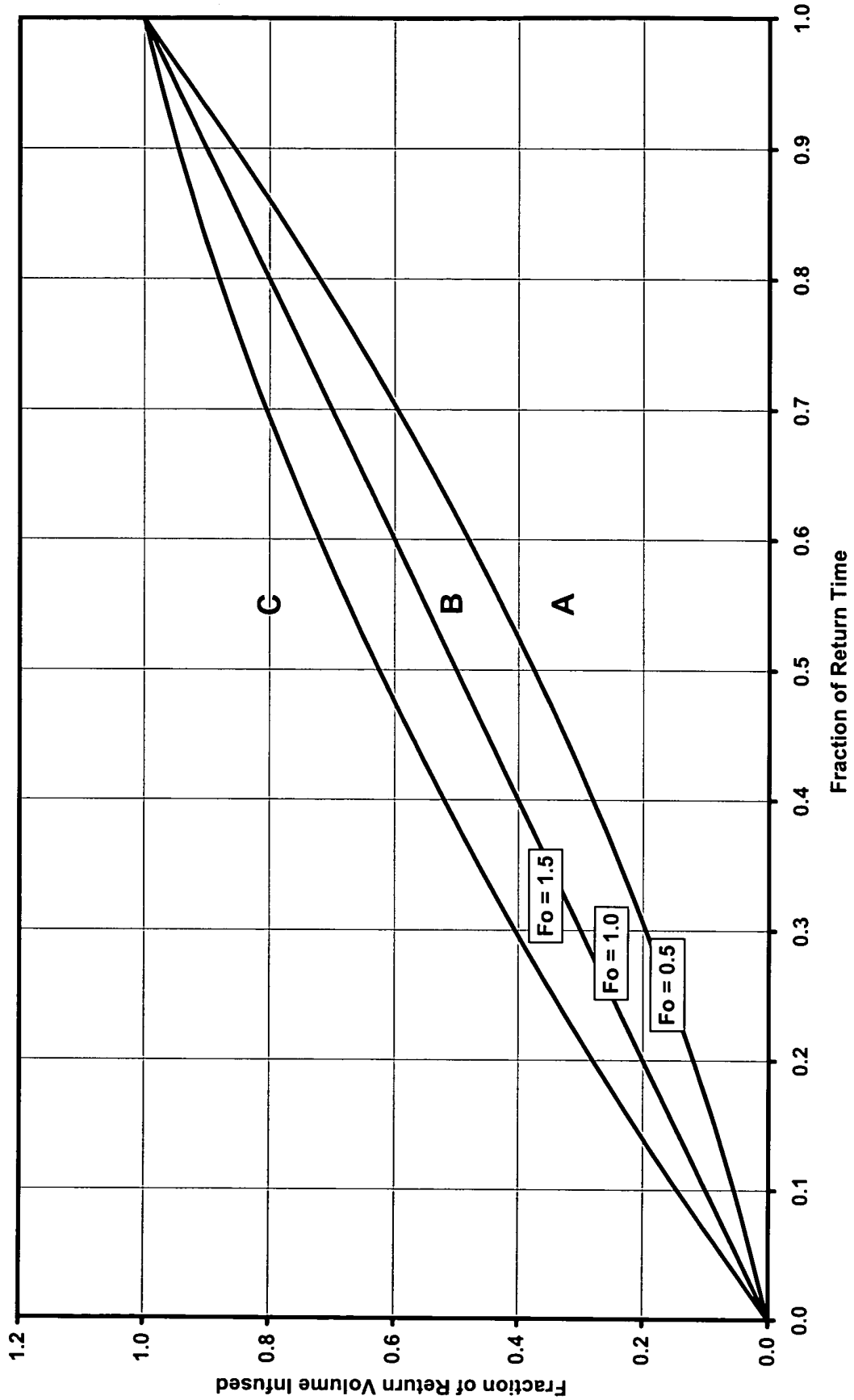


Fig 2C: VEIN PRESSURE INCREASE VS TIME

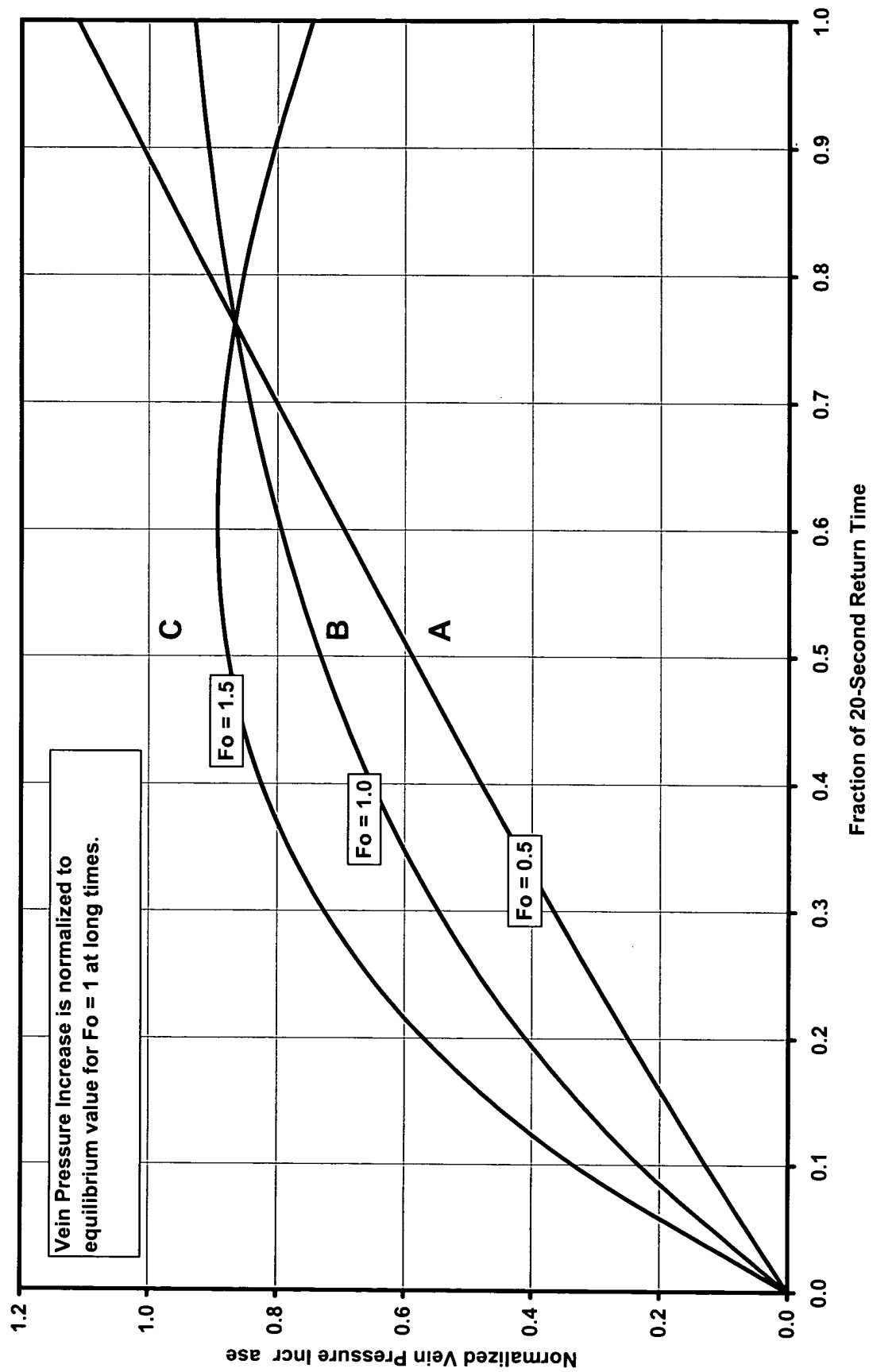


Fig. 2D: EFFECT OF LINEAR RETURN FLOW PROFILE ON VEIN PRESSURE
INCREASE AT END OF RETURN CYCLE

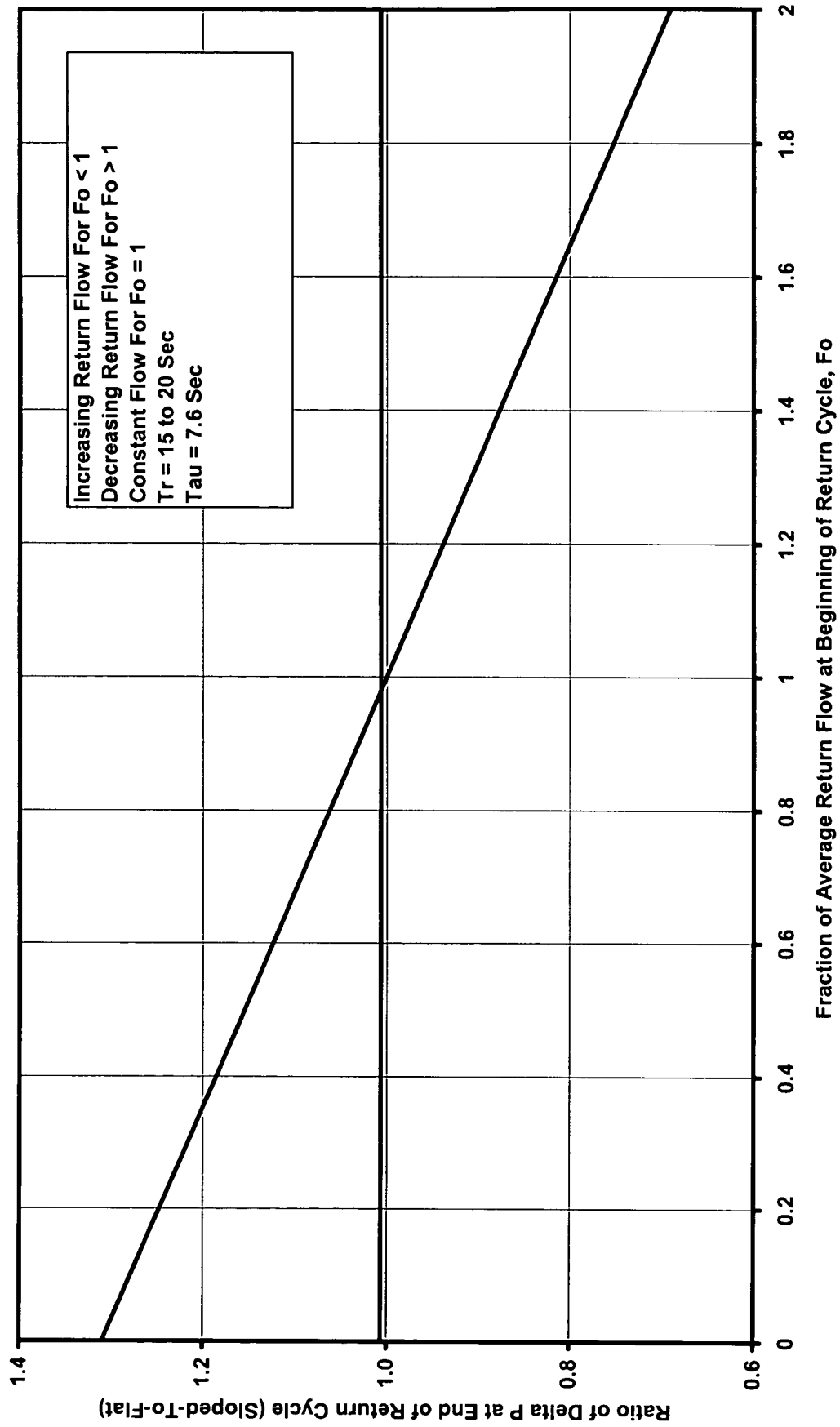


Fig. 3A: TBV-BASED INSTANTANEOUS INLET FLOW LIMIT

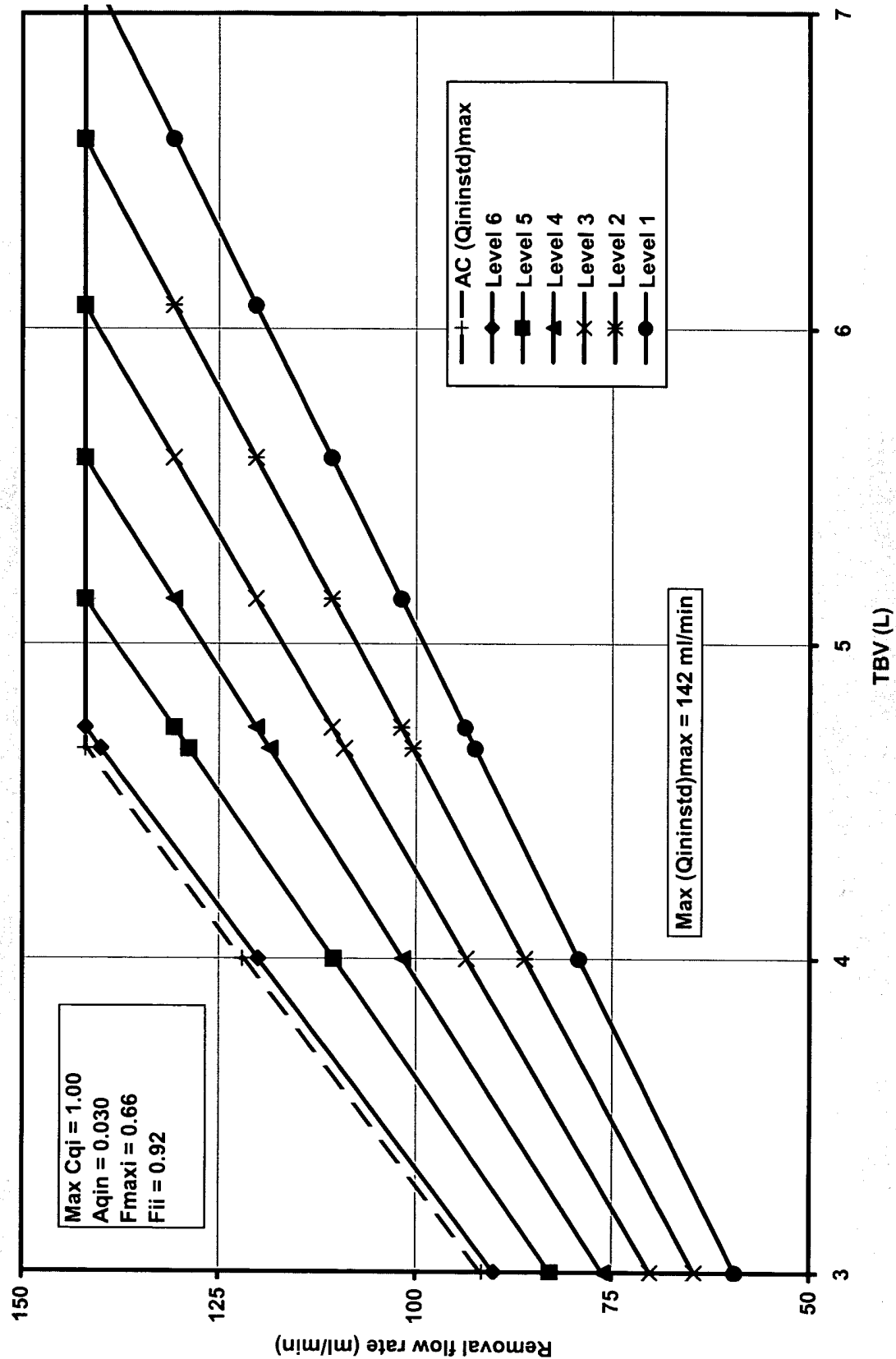


Fig. 3B: TBV-BASED NEEDLE RETURN FLOW LIMIT

